Key features
- Modular flexibility
- No-weld assembly
- Flat pack delivery
- Reduced corrosion
- Colour options
- Available ex-stock
- BIM & CAD Support

Applications suited to
- Retaining walls and carparks
- DDA access ramps and stairs
- Accommodation units
- Sporting facilities and stadiums
- Public transport and sightseeing
- Fire and access stairs
- Footbridges and culverts
- Loading bays and mezzanines
- Refer to applicable Aust Standards and Building Codes.

Specification Summary
Supply and install the proprietary CB55 barrier system to substrate according to Moddex specifications, or by a Moddex accredited installer.

Technical Data
Material
- Stanchions, rails & balustrades: Steel/grade C250 & 350
- Kerb Rail: Aluminium Extrusion (with EPDM Separation pads)
- Clamp fittings: Malleable Cast iron
- Clamp locking screws: Stainless Steel (304)
- Protective coating: Galvanized to AS 4792 and AS/NZS 4680:2006 (where applicable).

Dimensions
- Variable depending on building/application/code
  - Stanchions: Diameter 48.3mm OD 41.9mm ID
    - Nominal Thickness 3.2mm - 4.0mm (loading dependent)
  - Rails: Diameter 48.3mm OD 41.9mm ID
    - Nominal Thickness 3.2mm
  - Balustrade: Baluster 12mm
    - Baluster Centres: 100mm (88mm gap)
  - Heavy Duty Baluster: 16mm
  - Baluster Centres: 100mm (84mm gap)

- Custom Baluster spacings available on request to suit School Facility Standards (SFS)

- Clamp fittings:
  - Thickness 5.0mm (approx)
  - Locking screws: M12 x 1.75 x 11mm - DEXX ® Drive
  - Kerb Rail
    - Height: 122mm
    - Width: 24mm

- Weight:
  - Variable depending on building/application/code
  - Stanchion with clamps: 7.2 to 8.0kg
  - Rail @ 6.0m: 21.6kg
  - Balustrade Panel @ 2.0m: 29kg

Fixings
- Stanchion attachment to
  - Concrete: M12 galvanized mechanical concrete anchor
  - Structural steel: M16 galvanized high tensile bolt set

- Other Fixing options are available on request

Compliance
Moddex CB55 balustrades are designed and manufactured in accordance with building regulations (NCC & BCA) Australian Standard AS/NZS 1170.2:2002 and relevant statutory WHS Codes of Practice/Guidelines.
- Galvanized to AS 4792 and AS/NZS 4680:2006 (where applicable).

Testing
- Testing and performance based on requirement of Australian Standard AS1170.1 Clause 3.6 Table 3.3. Stringent vibration endurance tests have been performed and independent testing has been carried out to confirm the suitability of the Moddex system in maritime conditions.

Warranty
- 5 years from date of purchase subject to correct installation, use and maintenance in accordance with manufacturer’s specifications and recommendations, unless otherwise negotiated at the time of purchase.
  - Refer maintenance manual

Inspection & Maintenance
- Visual inspection for any damage or loose fixings must be done periodically and prior to use.
  - No certified maintenance required. Basic wear and tear preventative maintenance is recommended, as per manufacturer’s specifications and recommendations.
  - Refer maintenance manual

CB55 Conectabal®
Commercial Balustrade Specifications

Balustrade / Double Offset Handrail & Kerbrail
For Class 9B Buildings used for primary schools
Technical Information

Mount Dimensions

<table>
<thead>
<tr>
<th>T2 - Top Mount (2 Fixings)</th>
<th>F2 - Face Mount (2 Fixings)</th>
<th>CL - Channel Mount (2 Fixings)</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="T2 Mount Diagram" /></td>
<td><img src="image2" alt="F2 Mount Diagram" /></td>
<td><img src="image3" alt="CL Mount Diagram" /></td>
</tr>
</tbody>
</table>

GD - Inground Mount  
CD - Cored Mount  
AM - Angle Mount

Standard References

**Extract of National Construction Code (NCC) Table 2.16a Barrier Construction**

Openings in a balustrade or other barrier must be constructed in accordance with the following:

2. Any opening does not permit a 125 mm sphere to pass through it and for stairs, the space is measured above the nosings; and

3. For floors more than 4 m above the surface beneath, any horizontal or near horizontal elements between 150 mm and 760 mm above the floor must not facilitate climbing.

Important Note: Failure to supply and/or install proprietary product in accordance with above Standards and codes, specification and instructions, voids complete system certification and/or warranty.

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